Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, No. 1 **February 2003**

CONTENTS

EDITORIAL 1
Thomas M. Ludden and Malcolm Rowland

Endothelial Binding of Recombinant Tissue Plasminogen Activator: Quantification *In Vivo* Using a Recirculatory Model 3
Michiel J. B. Kemme, Rik C. Schoemaker, Jacobus Burggraaf, Monique van der Linden, Marina Noordzij, Matthijs Moerland, Cornelis Kluft, and Adam F. Cohen

Competition Between Acetylcholine and a Nondepolarizing Muscle Relaxant for Binding to the Postsynaptic Receptors at the Motor End Plate: Simulation of Twitch Strength and Neuromuscular Block 23
Vladimir Nigrovic and Anton Amann

Estimation of Population Pharmacokinetic Parameters in the Presence of Non-compliance 53
Song Mu and Thomas M. Ludden

A Joint Model for Linear and Nonlinear Longitudinal Data with Informative Dropout 83
Chuanpu Hu and Mark E. Sale

Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, No. 2 **April 2003**

CONTENTS

A Pharmacokinetic–Pharmacodynamic Model for Neuromuscular Blocking Agents to Predict Train-of-Four Twitches 105
Douglas J. Eleveld, Ann De Haes, Johannes H. Proost, and J. Mark K. H. Wierda

A Recirculatory Model with Enterohepatic Circulation by Measuring Portal and Systemic Blood Concentration Difference 119
Toshiya Moriwaki, Hiroyuki Yasui, and Akira Yamamoto

Prospective Evaluation of a D-Optimal Designed Population Pharmacokinetic Study 145
Bruce Green and Stephen B. Duffull

ERRATA 163

Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, No. 3 **June 2003**

CONTENTS

Evaluation of Mixture Modeling with Count Data 167
Bill Frame, Raymond Miller, and Richard L. Lalonde

Physiologically-Based Pharmacokinetics and Molecular Pharmacodynamics of 17-(allylamino)-17-demethoxygeldanamycin and its Active Metabolite in Tumor-Bearing Mice 185
Lu Xu, Julie L. Eiseman, Merrill J. Egorin, and David Z. D'Argenio

Pharmacokinetic and Pharmacodynamic Properties of Insulin Aspart and Human Insulin 221
Ole Østerberg, Lars Erichsen, Steen H. Ingwersen, Anne Plum, Henrik E. Poulsen, and Paolo Vicini

ERRATA 237

Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, No. 4 **August 2003**

CONTENTS

Drug Disposition Analysis: A Comparison Between Budesonide and Fluticasone 239
Anders Källén and Lars Thorsson

Comparison of the Pharmacokinetics of S-1, an Oral Anticancer Agent, in Western and Japanese Patients 257
Emmanuelle Comets, Kazumasa Ikeda, Paulo Hoff, Pierre Fumoleau, Jantien Wanders, and Yusuke Tanigawara

Reduction and Lumping of Physiologically Based Pharmacokinetic Models: Prediction of the Disposition of Fentanyl and Pethidine in Humans by Successively Simplified Models 285
Sven Björkman

LETTER TO THE EDITOR

Mean Hepatic Recovery Ratio in Capacity-Limited First-Pass Effect by Three-Point Sampling Method 309
Mitsuo Higashimori and Kiyoshi Yamaoka

Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, Nos. 5 **October 2003**

CONTENTS

A Two-Part Mixture Model for Longitudinal Adverse Event Severity Data 315
Kenneth G. Kowalski, Lynn McFadyen, Matthew M. Hutmacher, Bill Frame, and Raymond Miller

Volterra Series In Pharmacokinetics and Pharmacodynamics 337
Davide Verotta

Estimation of C_{max} and T_{max} in Populations After Single and Multiple Drug Administrations 363
Laszlo Tothfalus and Laszlo Endrenyi

Journal of Pharmacokinetics and Pharmacodynamics

Vol. 30, No. 6 December 2003

CONTENTS

Simultaneous vs. Sequential Analysis for Population PK/PD Data I: Best-case Performance
Liping Zhang, Stuart L. Beal, and Lewis B. Sheiner 387

Simultaneous vs. Sequential Analysis for Population PK/PD Data II: Robustness of Methods
Liping Zhang, Stuart L. Beal, and Lewis B. Sheiner 405

Optimization of Individual and Population Designs using Splus
Sylvie Retout and France Mentré 417

Author Index to Volume 30 445

Subject Index to Volume 30 447

Announcement: Workshops 449